## PATENT COOPERATION TREATY

## **PCT**

## INTERNATIONALSEARCHREPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 00000PCT7574	FOR FURTHER ACTION	as well	see Form PCT/ISA/220 as, where applicable, item 5 below.		
International application No. PCT/JP2004/018978	International filing date (day/m 14.12.200		(Earliest) Priority Date (day/month/year) 15.12.2003		
Applicant SEMICONDUCTOR	ENERGY LABORATO	DRY CO	., LTD. RECEIVED		
This international search report has been p to Article 18. A copy is being transmitte This international search report consists	ed to the International Bureau.	ching Authorit	ty and is transmitted to the applicant according		
It is also accompanied by a copy of each prior art document cited in this report.					
Basis of the report		<del></del>			
•	e international search was carrie less otherwise indicated under thi	ed out on the s item.	basis of the international application in the		
the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).					
b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.					
2. Certain claims were found unsearchable (See Box II).					
3. Unity of invention is lacking (See Box III).					
4. With regard to the title,					
the text is approved as submitted by the applicant.					
the text has been establishe	d by this Authority to read as fo	llows:	75. d. 72		
5. With regard to the abstract,					
the text is approved as subr	nitted by the applicant.				
the text has been established	L, according to Rule 38.2(b), by the	is Authority a	as it appears in Box No. IV. The applicant a report, submit comments to this Authority.		
6. With regard to the drawings,					
a. the figure of the drawings to be p	ublished with the abstract is F	igure No			
as suggested by the ap as selected by this Au as selected by this Au b. none of the figures is to be p	thority, because the applicant fai thority, because this figure bette	led to suggest	t a figure. s the invention.		

## INTERNATIONALSEARCHREPORT

International application No.

PCT/JP2004/018978

A. CLASSIFICATIONOF SUBJECT MATTER					
Int.Cl <sup>7</sup> H01L 27/12, H01L 29/786, H01L 21/336, G06K 19/00					
According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED  Minimum documentation searched (classification system followed by classification symbols)					
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Int.Cl <sup>7</sup> H01L 27/12, H01L 29/786, H01L 21/336, G06K 19/00					
· Documentation searched other than minimum documentation to the	extent that such documents are included in t	he fields searched			
Japanese Utility Model Gazette 1922-1996, Japanese Publication of Unexamined Utility Model Applications 1971-2005, Japanese Registered Utility Model Gazette 1994-2005, Japanese Gazette Containing the Utility Model 1996-2005					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)					
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category* Citation of document, with indication, where a	appropriate, of the relevant passages	Relevant to claim No.			
Y US 2001/0015256 A1		1-30			
(Semiconductor Energy Labo	(Semiconductor Energy Laboratory)				
2001.08.23, whole document,	Figs.1-9C				
&JP 2001-272923 A					
Y JP 2003-203898 A (SEIKO EF	JP 2003 203898 A (SEIKO EPSON CORPORATION)				
· · · · · · · · · · · · · · · · · · ·	2003.07.18, whole document, Figs.1-20				
(Family:none)					
Y US 2001/0053559 A1	-	6,17,23-30			
(Semiconductor Energy Labo	(Semiconductor Energy Laboratory)				
1	2001.12.20, whole document, Figs.1-14F				
&JP 2001-284342 A					
WO 2003/010825 A1 (SEIKO EP	WO 2003/010825 A1 (SEIKO EPSON CORPORATION) 12-30				
2003.02.06, whole document, Figs.1-34					
Further documents are listed in the continuation of Box C.  See patent family annex.					
* Special categories of cited documents:  "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention					
"E" earlier application or patent but published on or after the international filing date  "E" document of particular relevance; the claimed invention cannot be considered to involve an					
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other					
special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other	be considered to involve an inventive	step when the document is			
means combination being obvious to a person skilled in the art  "P" document published prior to the international filing date but later "&" document member of the same patent family.					
Date of the actual completion of the international search  Date of mailing of the international search report					
24.02.2005 15. 3. 2005					
Name and mailing address of the ISA/JP	Authorized officer	4W 2122			
Japan Patent Office	Sonoko Miyazaki				
3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan	Telephone No. +81-3-3581-1101 Ext. 3462				